

● TYPICAL STREET LIGHT
SEE SHEET 9 FOR SPEC.

LANDSCAPE NOTES:
 1. SEE SHEET L-8 FOR PLANTING DETAIL & SPECIFICATIONS
 2. FOR LANDSCAPE PURPOSES ONLY
 3. REFER TO SITE PLAN PREPARED BY STAMSKY & MCNARY



ESE CONSULTANTS, INC.
 250 GIBRALTAR ROAD
 SUITE 2E
 HORSHAM, PA 19044
 TEL: (215) 914-2050
 FAX: (215) 293-5488

PLAN REVISIONS

REV.	DATE	DESCRIPTION
1	5/26/17	REVISED PER TOWNSHIP COMMENTS
2	6/21/17	GRADING REVISIONS/ MASS DOT REV.

PROJECT NAME:
ENCLAVE AT BOXBOROUGH

PROJECT LOCATION:
 TOWN OF BOXBOROUGH
 MIDDLESEX COUNTY
 MASSACHUSETTS

SHEET TITLE:
LANDSCAPE PLAN

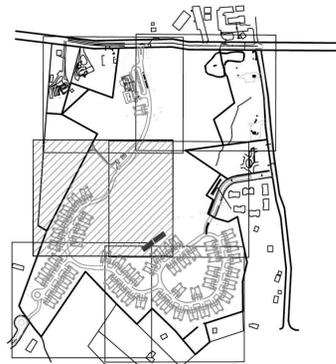
DATE: 12-22-2016 SCALE: 1"=40'

DESIGN: JTB DRAWN: JTB

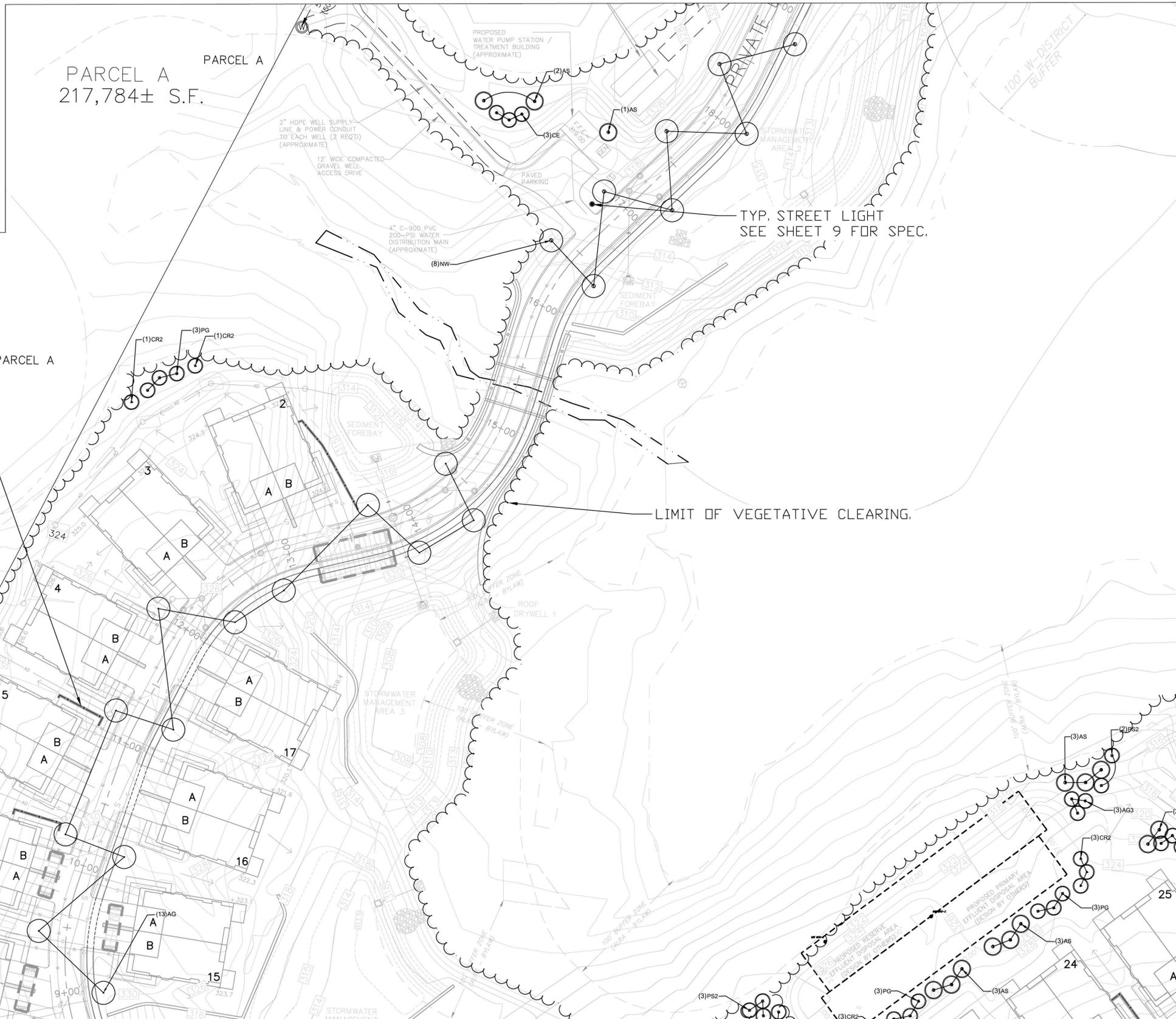
JOB NO.: 3961 FILE NAME: S-LAND

REV: _____

SHEET NO.: 1 OF 9



KEY MAP
NOT TO SCALE



TYP. UNIT FENCE
FOR RETAINING WALL
STYLE & MATERIAL TBD

TYP. STREET LIGHT
SEE SHEET 9 FOR SPEC.

LIMIT OF VEGETATIVE CLEARING.

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BOXBOROUGH**

PROJECT LOCATION:

TOWN OF BOXBOROUGH
MIDDLESEX COUNTY
MASSACHUSETTS

SHEET TITLE:

LANDSCAPE PLAN

DATE:

12-22-2016

DESIGN:

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SCALE:

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DRAWN:

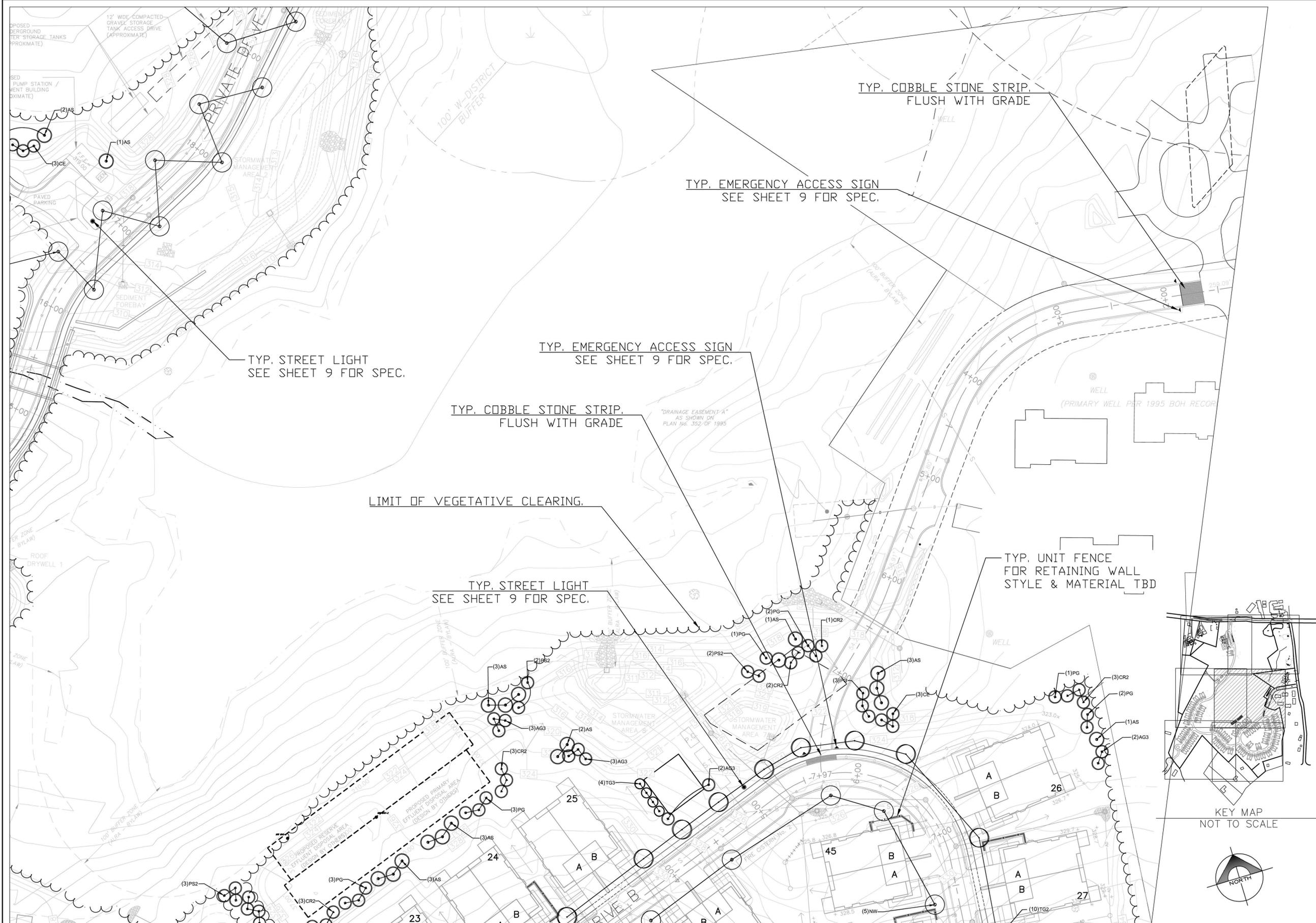
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FILE NAME:

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3 OF 9



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DATE: 12-22-2016
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SHEET NO.: 4 OF 9

TYP. COBBLE STONE STRIP.
 FLUSH WITH GRADE

TYP. EMERGENCY ACCESS SIGN
 SEE SHEET 9 FOR SPEC.

TYP. STREET LIGHT
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TYP. COBBLE STONE STRIP.
 FLUSH WITH GRADE

LIMIT OF VEGETATIVE CLEARING.

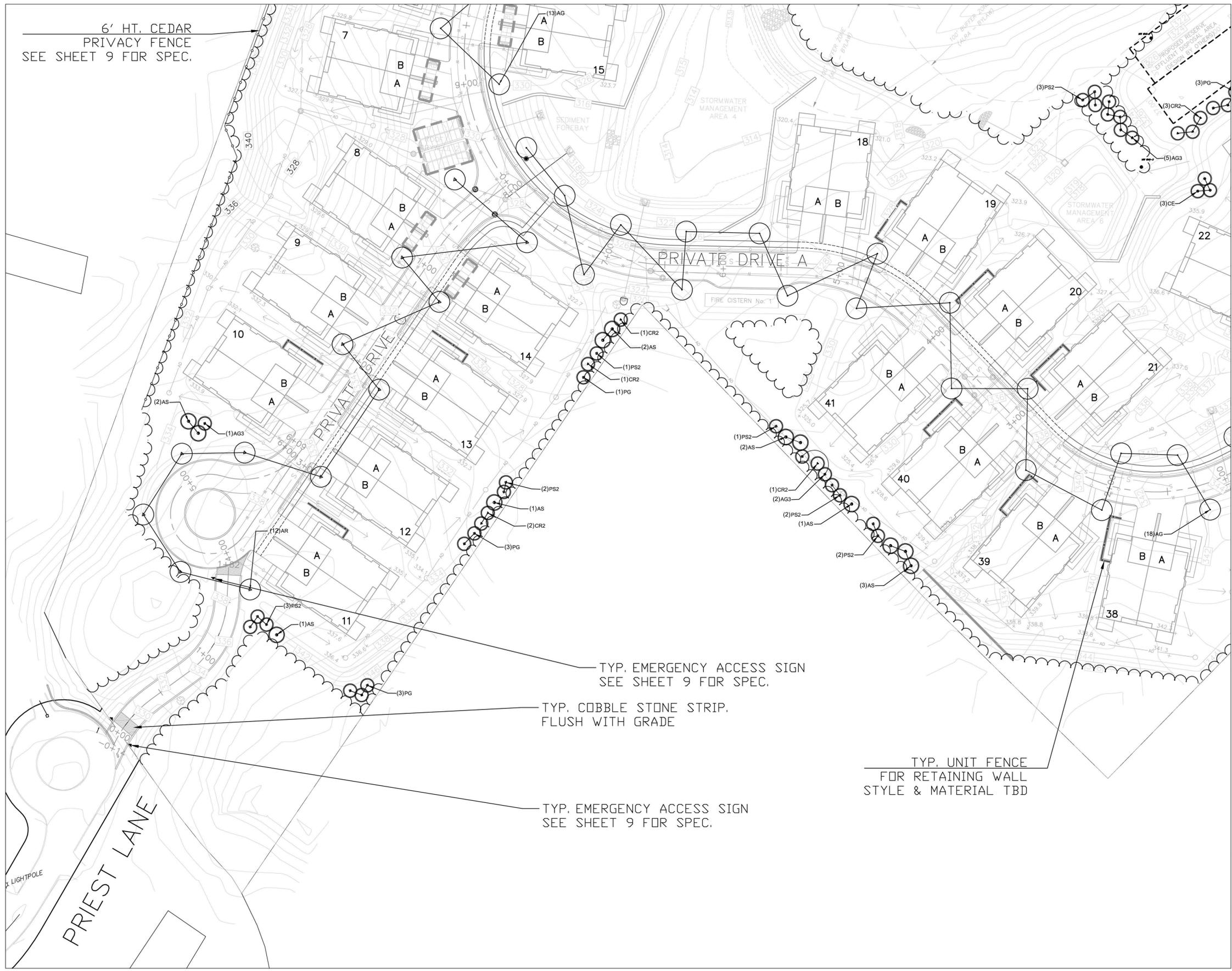
TYP. STREET LIGHT
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TYP. UNIT FENCE
 FOR RETAINING WALL
 STYLE & MATERIAL TBD

● TYPICAL STREET LIGHT
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6' HT. CEDAR
PRIVACY FENCE
SEE SHEET 9 FOR SPEC.

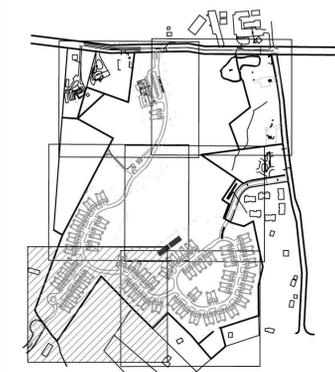


TYP. EMERGENCY ACCESS SIGN
SEE SHEET 9 FOR SPEC.

TYP. COBBLE STONE STRIP,
FLUSH WITH GRADE

TYP. EMERGENCY ACCESS SIGN
SEE SHEET 9 FOR SPEC.

TYP. UNIT FENCE
FOR RETAINING WALL
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KEY MAP
NOT TO SCALE



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SEAL



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MASSACHUSETTS

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1"=40'

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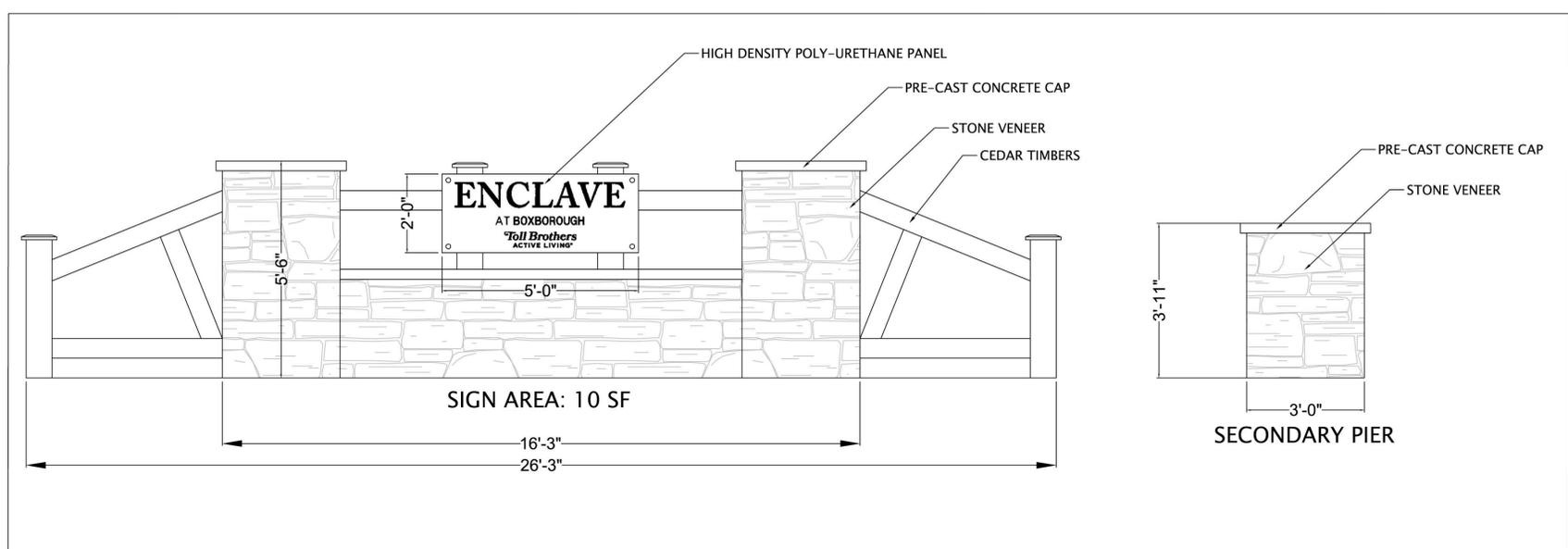
S-LAND

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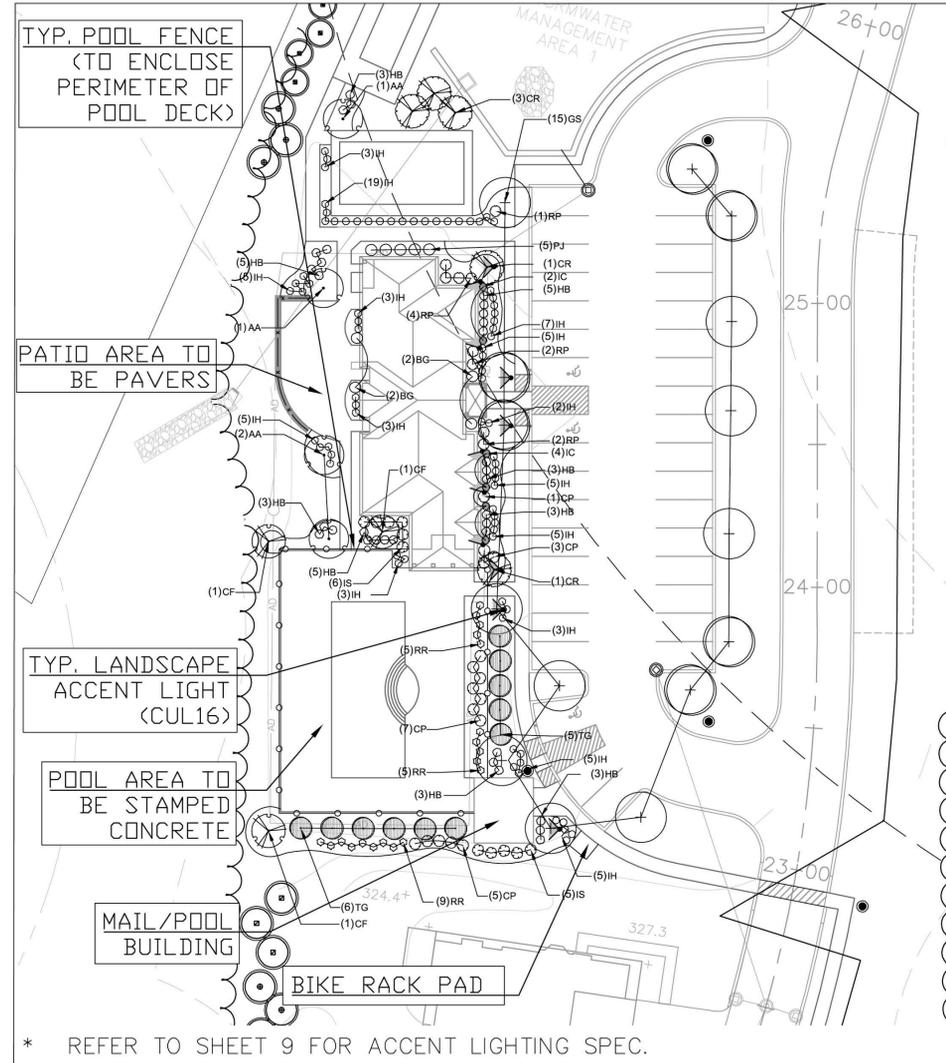
SHEET

NO.:

5 OF 9



1 ENTRANCE FEATURE DESIGN
L-7 SCALE: 1"=4'-0"



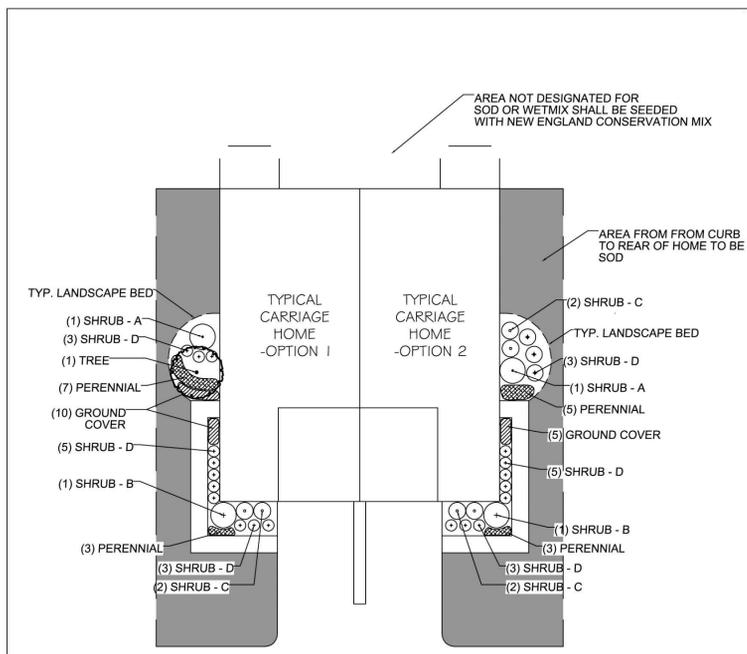
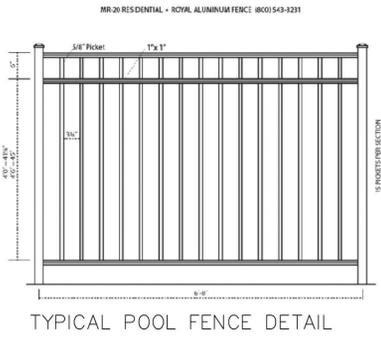
2 CLUBHOUSE LANDSCAPE DESIGN
L-7 SCALE: 1"=30'-0"
● TYPICAL STREET LIGHT
SEE SHEET 9 FOR SPEC.

CLUBHOUSE PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	QTY
	AA	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG RED MAPLE	B & B	2 1/2" CAL. & 12-14' HT.	4
	AB	ACER RUBRUM 'BONHALL'	BONHALL MAPLE	B & B	2 1/2" CAL. & 12-14' HT.	6
	GS	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER'™	SHADEMASTER LOCUST	B & B	2 1/2" CAL. & 12-14' HT.	9
EVERGREEN TREES	IC	ILEX X 'CASTLE SPIRE'	CASTLE SPIRE HOLLY	CONT.	3'-4' HT.	6
	TG	THUJA STANDISHII X PLOCATA 'GREEN GIANT'	GREEN GIANT ARBORVITAE	B & B	6' - 8' HT.	11
FLOWERING TREES	CF	CERCIS CANADENSIS 'FOREST PANSY'™	FOREST PANSY REDBUD	B & B	10'-12' HEIGHT	3
	CR	CORNUS X 'RUTGAN'	STELLAR PINK DOGWOOD	B & B	10'-12' HEIGHT	5
SHRUBS	BG	BUXUS X 'GREEN MOUNTAIN'	BOXWOOD	CONT.	24"-36" HT.	4
	CP	CLETHRA ALNIFOLIA 'PINK SPIRES'	SUMMERSWEET CLETHRA	CONT.	30" MIN. HT.	36
	HB	HYDRANGEA MACROPHYLLA 'ENDLESS SUMMER'™	BALMER HYDRANGEA	CONT.	24" MIN. HT.	13
	IH	ILEX CRENATA 'HELIERI'	HELIER JAPANESE HOLLY	CONT.	12"	78
	IS	ILEX GLABRA 'SHAMROCK'	INKBERRY	CONT.	24"-36" HT.	11
	PJ	PIERIS JAPONICA 'COMPACTA'	COMPACT PIERIS	CONT.	24"-36" HT.	5
	RP	RHODODENDRON X PJM	PJM RHODODENDRON	CONT.	24"-36" HT.	9
	RR	ROSA X 'KNOCKOUT'™	ROSE	CONT.	24" MIN. HT.	19

NOTE: FOR EVERY (5) PARKING SPACES PROPOSED WITHIN A PARKING LOT, (2) SHADE TREES SHALL BE REQUIRED. PROPOSED CLUBHOUSE HAS 36 PARKING SPACES. IF ADDITIONAL (14) PARKING SPACES ARE NEEDED, APPLICANT WILL INSTALL SHADE TREES AS REQUIRED BY ORDINANCE.

REQUIRED SHADE TREES = 15 TREES
PROPOSED SHADE TREES = 15 TREES



SHADE/FLOWERING TREES

SYMBOL	QUANTITY	SPECIES/COMMON NAME	SIZE	NOTES
		Acer rubrum / Red Maple	2" CAL.	Shade Tree
		Acer saccharum / Sugar Maple	2" CAL.	Shade Tree
		Amelanchier laevis / Allegheny Serviceberry	7.5" HT.	Flowering Tree/Multi-Stem
		Betula Nigra 'Heritage' / Heritage River Birch	7.5" HT.	Flowering Tree/Multi-Stem
		Cornus canadensis / Eastern Redbud	7.5" HT.	Flowering Tree
		Gleditsia triacanthos 'Inermis' / Thornless Honey Locust	2" CAL.	Shade Tree
		Cornus kousa / Kousa Dogwood	7.5" HT.	Flowering Tree
		Prunus cerasifera 'Thundercloud' / Purple Leaf Plum	7.5" HT.	Flowering Tree
		Prunus subhirtella 'Autumnalis' / Nigan Cherry	7.5" HT.	Flowering Tree

LARGE-MEDIUM SHRUB A (DECIDUOUS)

SYMBOL	QUANTITY	SPECIES/COMMON NAME	SIZE	NOTES
		Azalea varieties / Deciduous Azalea	36" MIN. HT.	Full Sun/Part Shade
		Clethra alnifolia 'Ruby Spice' / Summersweet Clethra	36" MIN. HT.	Full Sun/Part Shade
		Hydrangea macrophylla 'Endless Summer'™ / Hydrangea	36" MIN. HT.	Full Sun/Part Shade
		Hydrangea quercifolia / Oakleaf Hydrangea	36" MIN. HT.	Full Sun/Part Shade
		Physocarpus opulifolius 'Summer Wine' or 'Coppertina' / Nainbark	36" MIN. HT.	Full Sun/Part Shade
		Rosa rugosa 'Redike' / Double Knock Out Rose	36" MIN. HT.	Full Sun
		Weigela Florida / Compact Variety	36" MIN. HT.	Full Sun/Part Shade

LARGE-MEDIUM SHRUB B (EVERGREEN)

SYMBOL	QUANTITY	SPECIES/COMMON NAME	SIZE	NOTES
		Azalea varieties / Evergreen Azalea	36" MIN. HT.	Full Sun/Part Shade
		Ilex crenata 'Compacta' / Japanese Holly	24" MIN. HT.	Full Sun/Part Shade
		Daphne x burkwoodii 'Carol Mackie' / Daphne	24" MIN. HT.	Full Sun/Part Shade
		Ilex glabra 'Densa' or 'Shamrock' / Inkberry	24" MIN. HT.	Full Sun/Full Shade
		Ilex x 'Merrill' / China Lily & China Girl Holly	24" MIN. HT.	Full Sun/Full Shade
		Pieris japonica 'Compacta' / Japanese Anemomeda	24" MIN. HT.	Full Sun/Full Shade
		Prunus laurocerasus 'Otto Luyken' / Cherry Laurel	24" MIN. HT.	Full Sun/Part Shade

SMALL SHRUB C (DECIDUOUS)

SYMBOL	QUANTITY	SPECIES/COMMON NAME	SIZE	NOTES
		Comptosia 'Blue Mist' or 'Pink Crystal' / Dwarf Bluebeard	18" MIN. HT.	Full Sun
		Rosa virginia 'Little Henry' / Dwarf Virginia Sweetspine	18" MIN. HT.	Full Sun/Full Shade
		Hypericum x 'Hydrotec' / St. John's Wort	18" MIN. HT.	Full Sun/Full Shade
		Nandina domestica 'Firepower' / Nandina	18" MIN. HT.	Full Sun/Full Shade

SMALL SHRUB D (EVERGREEN)

SYMBOL	QUANTITY	SPECIES/COMMON NAME	SIZE	NOTES
		Ilex glabra 'Compacta' / Compact Inkberry	18" MIN. HT.	Full Sun/Full Shade
		Thuja occidentalis 'Herz Midget' / Arborvitae	18" MIN. HT.	Full Sun/Part Shade
		Thuja occidentalis 'Boboam' / Arborvitae	18" MIN. HT.	Full Sun/Part Shade

PERENNIAL MIX A: FULL SUN

SYMBOL	QUANTITY	SPECIES/COMMON NAME	SIZE	NOTES
		Coreopsis / Tickseed	1 GAL.	Full Sun
		Chrysanthemum nipponicum / Mornauk Daisy	1 GAL.	Full Sun
		Hemerocallis / Daylily	1 GAL.	Full Sun
		Phlox paniculata / Garden Phlox	1 GAL.	Full Sun
		Rudbeckia fulgida var. fulgida / Black Eyed Susan	1 GAL.	Full Sun
		Sedum 'Autumn Joy' / Stonecrop	1 GAL.	Full Sun

PERENNIAL MIX B: SHADE

SYMBOL	QUANTITY	SPECIES/COMMON NAME	SIZE	NOTES
		Arisaema / False-spine	1 GAL.	Part Shade/Full Shade
		Fern	1 GAL.	Part Shade/Full Shade
		Hellebore	1 GAL.	Part Shade/Full Shade
		Taxodiopsis cordifolia / Foamflower	1 GAL.	Part Shade/Full Shade

GROUND COVER

SYMBOL	QUANTITY	SPECIES/COMMON NAME	SIZE	NOTES
		Gallium odoratum / Sweet Woodruff	1 QT.	Part Shade/Full Shade
		Juniperus horizontalis 'Blue Star' / Juniper	1 QT.	Part Shade/Full Shade
		Pachysandra terminalis / Japanese Spurge	1 QT.	Part Shade/Full Shade
		Phlox subulata / Creeping Phlox	1 QT.	Full Sun
		Veronica minor / Periwinkle	1 QT.	Full Sun/Full Shade

• SHADE/SUN PERENNIAL MIX DEPENDENT UPON ORIENTATION OF HOME

3 TYPICAL LOT PLANTING
L-7 SCALE: 1"=20'-0"



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MIDDLESEX COUNTY
MASSACHUSETTS

SHEET TITLE:
**CLUBHOUSE LANDSCAPE
TYP. UNIT LANDSCAPE
ENTRY FEATURE DESIGN**

DATE: 12-22-2016	SCALE: AS NOTED
DESIGN: JTB	DRAWN: JTB
JOB NO.: 3961	FILE NAME: S-LAND
SHEET NO.: 7 OF 9	

CLUBHOUSE PLANT SCHEDULE

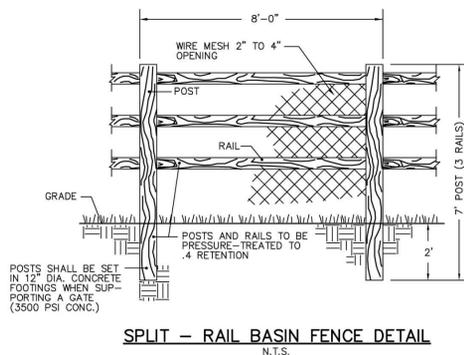
TREES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	QTY
	AA	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG RED MAPLE	B & B	2 1/2" CAL. & 12-14' HT.	4
CLUBHOUSE PARKING LOT TREES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	QTY
	AB	ACER RUBRUM 'BOWHALL'	BOWHALL MAPLE	B & B	2 1/2" CAL. & 12-14' HT.	6
	GS	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER' TM	SHADEMASTER LOCUST	B & B	2 1/2" CAL. & 12-14' HT.	9
EVERGREEN TREES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	QTY
	IC	ILEX X 'CASTLE SPIRE'	CASTLE SPIRE HOLLY	CONT.	3'-4' HT.	6
	TG	THUJA STANDISHII X PPLICATA 'GREEN GIANT'	GREEN GIANT ARBORVITAE	B & B	6' -8' HT.	11
FLOWERING TREES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	QTY
	CF	CERCIS CANADENSIS 'FOREST PANSY' TM	FOREST PANSY REDBUD	B & B	10'-12' HEIGHT	3
	CR	CORNUS X 'RUTGAN'	STELLAR PINK DOGWOOD	B & B	10'-12' HEIGHT	5
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	QTY
	BG	BUXUS X 'GREEN MOUNTAIN'	BOXWOOD	CONT.	24"-36" HT.	4
	CP	CLETHRA ALNIFOLIA 'PINK SPIRES'	SUMMERSWEET CLETHRA	CONT.	30" MIN. HT.	16
	HB	HYDRANGEA MACROPHYLLA 'ENDLESS SUMMER' TM	BAILMER HYDRANGEA	CONT.	24" MIN HT.	33
	IH	ILEX CRENATA 'HELIERI'	HELIER JAPANESE HOLLY	CONT.	12"	78
	IS	ILEX GLABRA 'SHAMROCK'	INKBERRY	CONT.	24"-36" HT.	11
	PJ	PIERIS JAPONICA 'COMPACTA'	COMPACT PIERIS	CONT.	24"-36" HT.	5
	RP	RHODODENDRON X PJM	PJM RHODODENDRON	CONT.	24"-36" HT.	9
	RR	ROSA X 'KNOCKOUT' TM	ROSE	CONT.	24" MIN HT.	19

BUFFER & ENTRY PLANT SCHEDULE

BUFFER/OPEN SPACE TREES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	QTY
	AS	ACER SACCHARUM	SUGAR MAPLE	B & B	2 1/2" CAL.	52
	AG3	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	'AUTUMN BRILLIANCE' SERVICEBERRY	B & B	7'-8' HT.	44
	CE	CERCIS CANADENSIS	EASTERN REDBUD MULTI-TRUNK	B & B	7'-8' HT.	38
	CR2	CORNUS X 'RUTGAN'	STELLAR PINK DOGWOOD	B & B	7'-8' HT.	22
	PG	PICEA PUNGENS 'GLAUCA'	COLORADO BLUE SPRUCE	B & B	6' MIN. HT	38
	PS2	PINUS STROBUS	WHITE PINE	B & B	6' MIN. HT	47
	TG3	THUJA STANDISHII X PPLICATA 'GREEN GIANT'	GREEN GIANT ARBORVITAE	B & B	6' MIN. HT	15

STREET TREE PLANT SCHEDULE

STREET TREES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	QTY
	AG	ACER RUBRUM 'OCTOBER GLORY' TM	OCTOBER GLORY MAPLE	B & B	2 1/2" CAL. 8'-10'-HT	34
	AR	ACER RUBRUM 'REDPOINTE'	REDPOINTE MAPLE	B & B	2 1/2" CAL. & 12-14' HT.	12
	NW	NYSSA SYLVATICA 'WILDFIRE'	BLACK GUM	B & B	2 1/2" CAL. & 12-14' HT.	32
	QR	QUERCUS RUBRA	RED OAK	B & B	2 1/2" CAL. & 12-14' HT.	18
	TG2	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLELEAF LINDEN	B & B	2 1/2" CAL. & 12-14' HT.	21



LANDSCAPE NOTES:

- IN THE EVENT THAT ANY DISCREPANCIES BETWEEN THE QUANTITIES OF PLANTS INDICATED ON THE PLANT SCHEDULE AND THOSE INDICATED ON THE PLAN, THE QUANTITIES INDICATED ON THE PLAN SHALL GOVERN.
- NO SUBSTITUTIONS SHALL BE ACCEPTED, EXCEPT WITH THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT OR HIS AGENT AND THE TOWNSHIP CONSULTANTS.
- THE LANDSCAPE ARCHITECT OR HIS AGENT SHALL BE THE SOLE JUDGE OF THE QUALITY AND ACCEPTABILITY OF THE MATERIALS. ALL REJECTED MATERIALS SHALL BE IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL AT NO ADDITIONAL COST.
- ALL PLANT BEDS SHALL PROVIDE FOR 6" OF LOAM AND BE MULCHED WITH A MINIMUM OF 3" SHREDDED BARK MULCH OR OTHER MATERIAL APPROVED BY THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT.
- PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS; WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
- THE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITION CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL.
- QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH "AMERICAN STANDARDS FOR NURSERY STOCK" ANSI 260 (MOST RECENT EDITION) AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
- B & B PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE ROOT BALL ONLY. PLANTS WITH BROKEN, SPLIT OR DAMAGED ROOT BALLS SHALL BE REJECTED.
- TREES SHALL BE LOCATED IN A MANNER WHICH WILL NOT OBSTRUCT ACCESS TO FIRE HYDRANT OR VISIBILITY OF STREET OR TRAFFIC SIGNS. NO TREES OR SHRUBS SHALL BE PLANTED IN A SIGHT TRIANGLE. NO TREES SHALL BE PLANTED IN ANY UTILITY OR MUNICIPAL EASEMENTS.
- PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITION ARE SUITABLE. SPRING PLANTING SEASON SHALL BE: MARCH 1ST TO JUNE 1ST. FALL PLANTING SEASON SHALL BE: AUGUST 15TH TO DECEMBER 15TH FOR EVERGREEN PLANTS AND SEPTEMBER 15TH TO DECEMBER 15TH, FOR DECIDUOUS PLANTS.
- SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH LEVEL THAT, AFTER SETTLEMENT, A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANTS IN THE CENTER OF THE PLANTING PIT.
- ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF ACCEPTANCE. ANY PLANT MATERIAL THAT DIES WITHIN THAT PERIOD SHALL BE REPLACED WITH THE SAME SIZE AND SPECIES OF PLANT MATERIAL.
- THE LOCATION OF ALL PLANT MATERIAL IS DIAGRAMMATIC AND SUBJECT TO FIELD CONDITIONS AND LOT SPECIFIC DESIGN CONSIDERATIONS. FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE DETERMINED IN THE FIELD UNDER THE DIRECTION OF THE LANDSCAPE ARCHITECT OR HIS AGENT.
- THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEARING UPON THE PERFORMANCE OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO CALL FOR UTILITY LOCATIONS, IF NECESSARY.
- IRRIGATION SYSTEM DESIGN TO BE PREPARED UPON RECEIPT OF FINAL PLAN APPROVAL.
- FERTILIZER USE AND APPLICATION SHALL COMPLY WITH 330 CMR 31.00 FOR NON-AGRICULTURAL APPLICATION OF NITROGEN FERTILIZERS.

LANDSCAPE TURF NOTES:

- STORM WATER BASIN SLOPES TO BE SEEDED WITH "NEW ENGLAND EROSION CONTROL/RESTORATION MIX" PREPARED BY NEW ENGLAND WETLAND PLANTS, INC. APPLICATION RATE SHALL BE AS NOTED BY MANUFACTURER. SOIL PREPARATION SHALL BE PER MANUFACTURER'S SPECIFICATION/DIRECTION.
- BASIN BOTTOMS SHALL BE LEFT UNSEEDED WHERE A SAND BOTTOM IS SPECIFIED AS NOTED ON SITE PLANS PREPARED BY STAMSKY & MCNARRY.
- COMMON/OPEN SPACE AREAS NOT DESIGNATED FOR SOD SHALL BE SEEDED WITH A PERENNIAL RYE/FESCUE MIX.
- AREAS AROUND PROPOSED UNITS, AS INDICATED ON THE TYPICAL LOT PLANTING PLAN, SHALL BE SODDED.

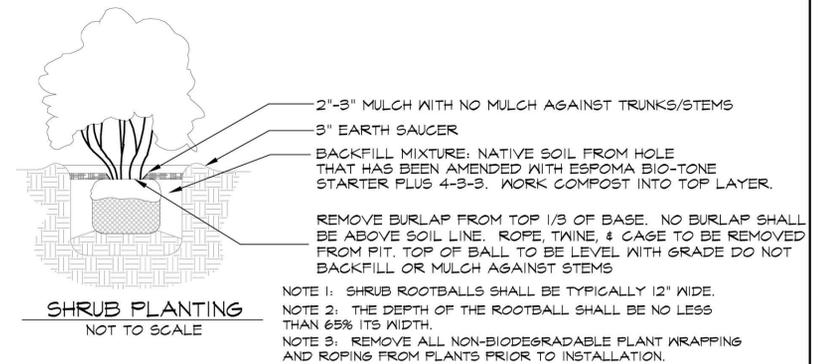
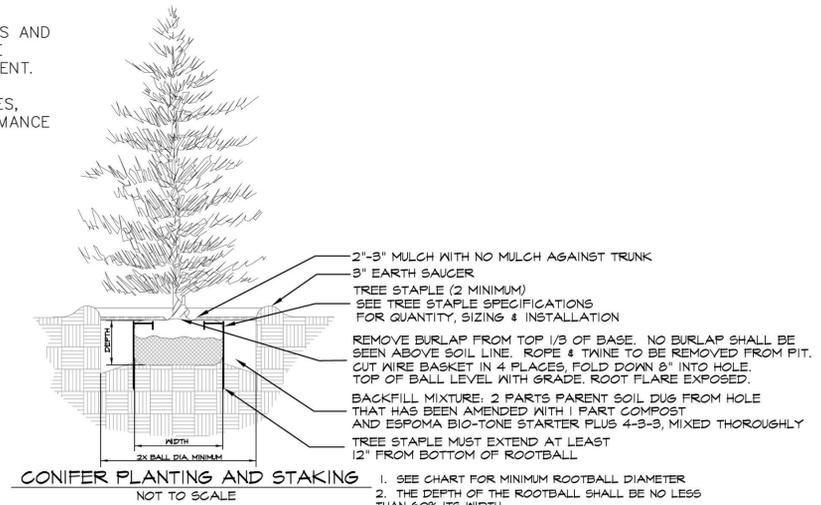
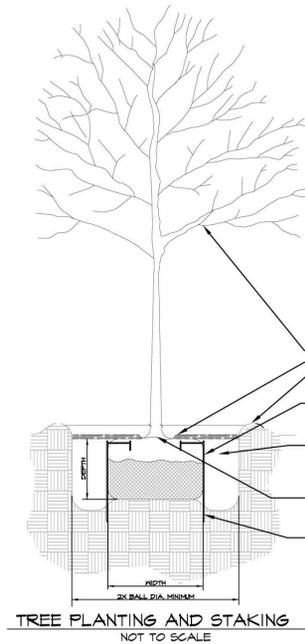
NEW ENGLAND WETLAND PLANTS, INC.

820 WEST STREET, AMHERST, MA 01002
PHONE: 413-548-8000 FAX 413-549-4000
EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

New England Erosion Control/Restoration Mix For Detention Basins and Moist Sites

Botanical Name	Common Name	Indicator
<i>Elymus riparius</i>	Riverbank Wild Rye	FACW
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU
<i>Panicum virgatum</i>	Switch Grass	FAC
<i>Andropogon gerardii</i>	Big Bluestem	FAC
<i>Verbena hastata</i>	Blue Vervain	FACW
<i>Agrostis perennans</i>	Upland Bentgrass	FACU
<i>Bidens cernua</i>	Nodding Bur Marigold	OBL
<i>Eupatorium fistulosum (Eutrochium fistulosum)</i>	Hollow-Stem Joe Pye Weed	FACW
<i>Eupatorium perfoliatum</i>	Boneset	FACW
<i>Aster novae-angliae (Symphyotrichum novae-angliae)</i>	New England Aster	FACW-
<i>Scirpus cyperinus</i>	Wool Grass	FACW
<i>Juncus effusus</i>	Soft Rush	FACW+

Type 1 and Type 2 Shade Trees	
Calliper	Minimum diameter root ball
1/2 in.	12 in.
3/4 in.	14 in.
1 in.	16 in.
1 1/4 in.	18 in.
1 1/2 in.	20 in.
1 3/4 in.	22 in.
2 in.	24 in.
2 1/2 in.	28 in.
3 in.	32 in.
3 1/2 in.	38 in.
4 in.	42 in.
4 1/2 in.	48 in.
5 in.	54 in.
5 1/2 in.	57 in.
6 in.	60 in.
7 in.	70 in.
8 in.	80 in.



SEAL



ESE CONSULTANTS, INC.
250 GIBRALTAR ROAD
SUITE 2E
HORSHAM, PA 19044
TEL: (215) 914-2050
FAX: (215) 293-5488

PLAN REVISIONS

REV.	DATE	DESCRIPTION
1	5/26/17	REVISED PER TOWNSHIP COMMENTS
2	6/21/17	GRADING REVISIONS/ MASS DOT REV.

PROJECT NAME:

ENCLAVE AT BOXBOROUGH

PROJECT LOCATION:

TOWN OF BOXBOROUGH
MIDDLESEX COUNTY
MASSACHUSETTS

SHEET TITLE:

LANDSCAPE DETAILS & LIGHTING SPEC

DATE:

12-22-2016

SCALE:

DESIGN:

JTB

DRAWN:

JTB

JOB NO.:

3961

FILE NAME:

S-LAND

SHEET NO.:

8 OF 9

